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O.G. FIG.

BY

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DRAFTSMAN

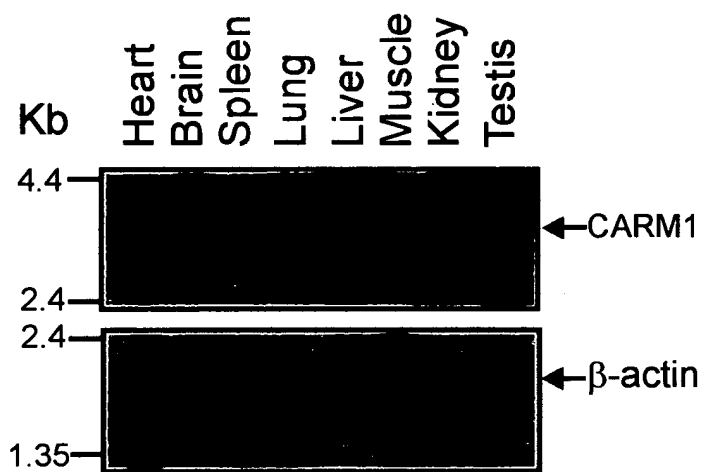
Figure 1

| | | | | | | | |
|--------------|--------|-----|------------------------------|-------------------------------------|-------------------------|-----|-----|
| SEQ ID NO:1 | CARM1 | 168 | VRTGTYQRAILQNHTDFKDKIVLDVGC | SGILSFFAAQAG | .ARKIYAVEASTMAQHA | EVL | 226 |
| SEQ ID NO:3 | CARM1 | 168 | VRTGTYQRAILQNHTDFKDKIAAAVGC | SGILSFFAAQAG | .ARKIYAVEASTMAQHA | EVL | 226 |
| SEQ ID NO:7 | hPRMT1 | 52 | ---L--RNSMFH-RHL---- | V-----S-T---CM--- | K--.---VIGI-C-SISDY-VKI | | 111 |
| SEQ ID NO:8 | hPRMT2 | 120 | P--TK-HSV-----KESLT--VI----- | T-----L-C-HYARP-AV----- | E-----TGQ- | | 179 |
| SEQ ID NO:9 | hPRMT3 | 219 | I--ES-RDF-Y--PHI---- | V-----T---M---K--. | K-VLG-DQ-EILYQ-MDI | | 277 |
| SEQ ID NO:10 | yODP1 | 41 | ---LS-RN-----KDL----- | T---M---KH-. -KHVIG-DM-SIEM-KE- | | | 99 |
| | | | | | | | |
| SEQ ID NO:1 | CARM1 | 227 | VKSNNLTDRIVVIPGKVEEVSLP | .EQVDIIISEPMGYMLFNERMLESYLHAK | .KYLKPSG | | 284 |
| SEQ ID NO:3 | CARM1 | 227 | VKSNNLTDRIVVIPGKVEEVSLP | .EQVDIIISEPMGYMLFNERMLESYLHAK | .KYLKPSG | | 284 |
| SEQ ID NO:7 | hPRMT1 | 112 | --A-K-DHVVTI-K----- | E--V-K-----W---C-Y-S---NTV--- | RD-W-A-D- | | 171 |
| SEQ ID NO:8 | hPRMT2 | 180 | -LQ-GFA-I-T-YQQ---D-V--. | -K--VLV--W--TC-LF-F-I--I-Y-RDAW-- | ED- | | 238 |
| SEQ ID NO:9 | hPRMT3 | 278 | IRL-K-E-T-TL-K-I---- | H--V-K--V---W---F-LF-S--D-V-Y--N--- | AKG- | | 337 |
| SEQ ID NO:10 | yODP1 | 100 | -EL-GFS-K-TLLR-L--D-H-- | FPK-----W---F-LY-S-MDTV-Y-RDH-- | VEG- | | 159 |

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| | | |
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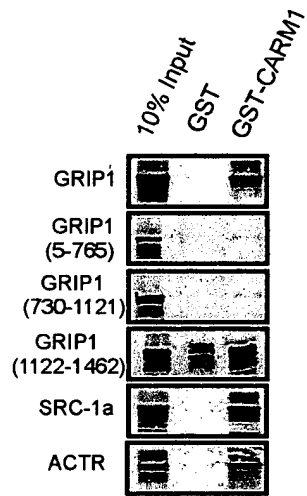
FIGURE 2



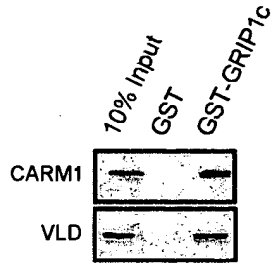
| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
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| DRAFTSMAN | | |

FIGURE 3

A



B



66000 44000 33000 22000 11000

FIGURE 4

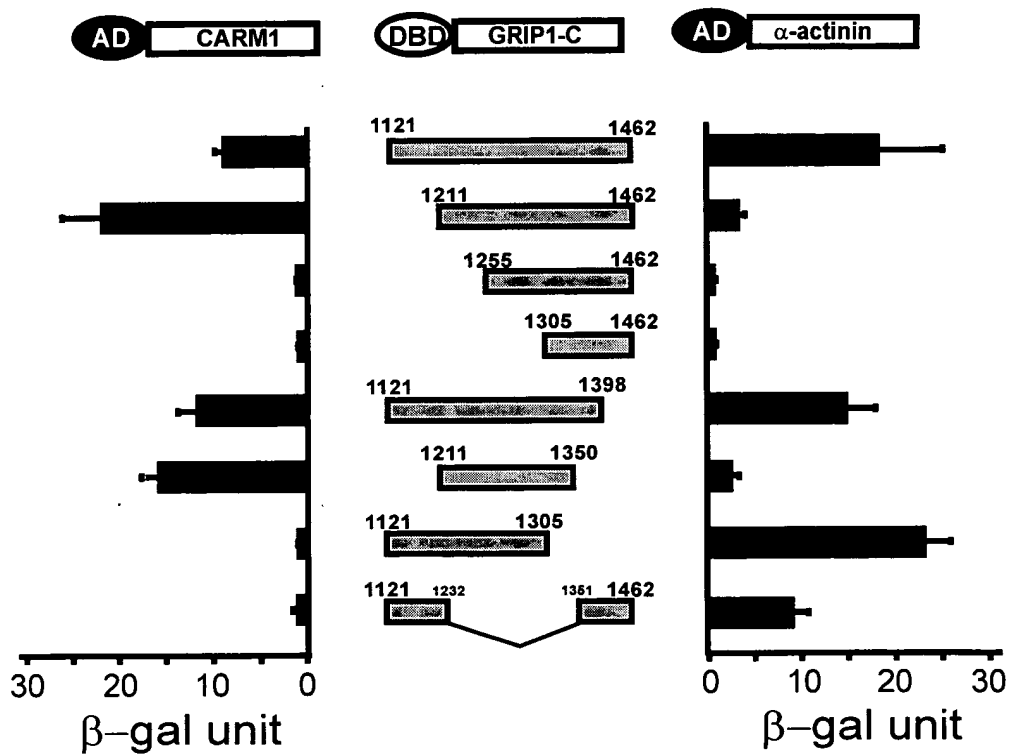
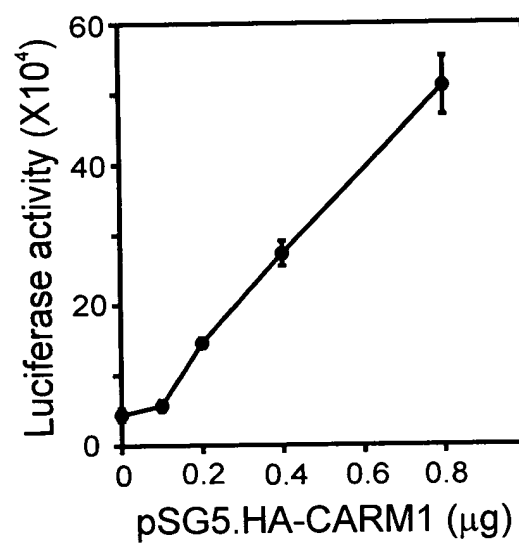


FIGURE 5

A



B

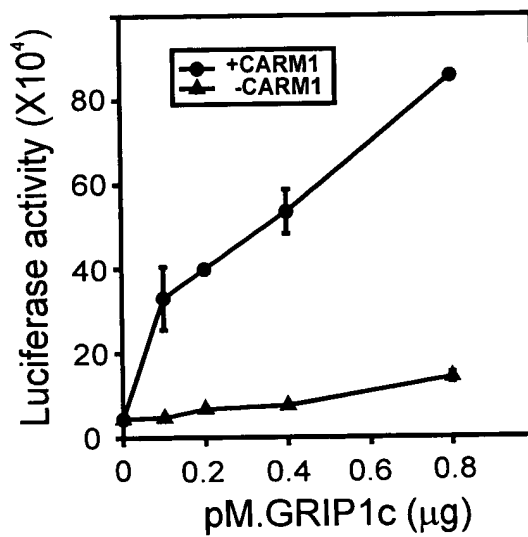
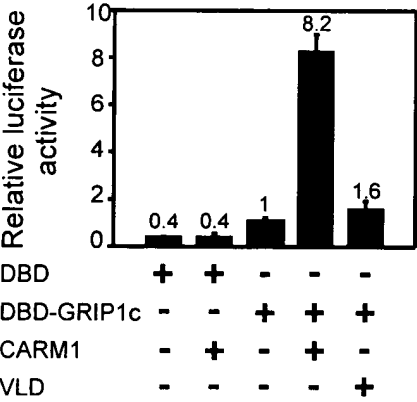


FIGURE 6

A



B

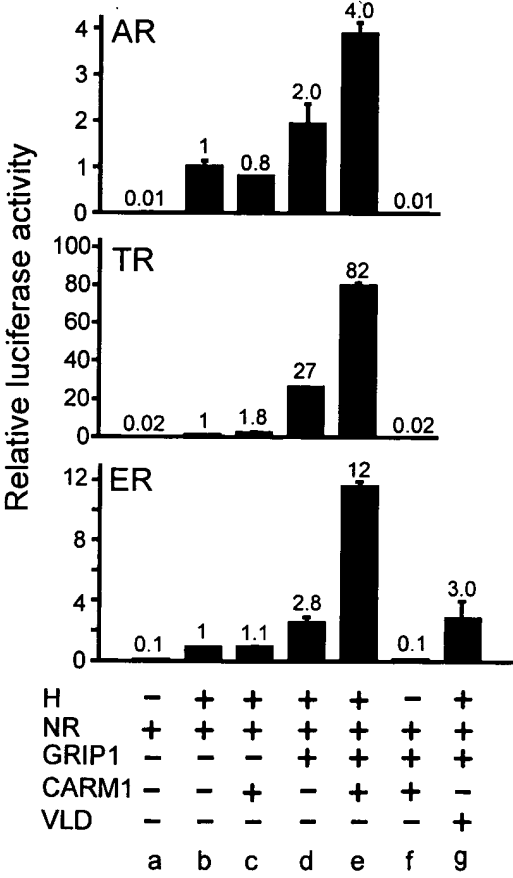
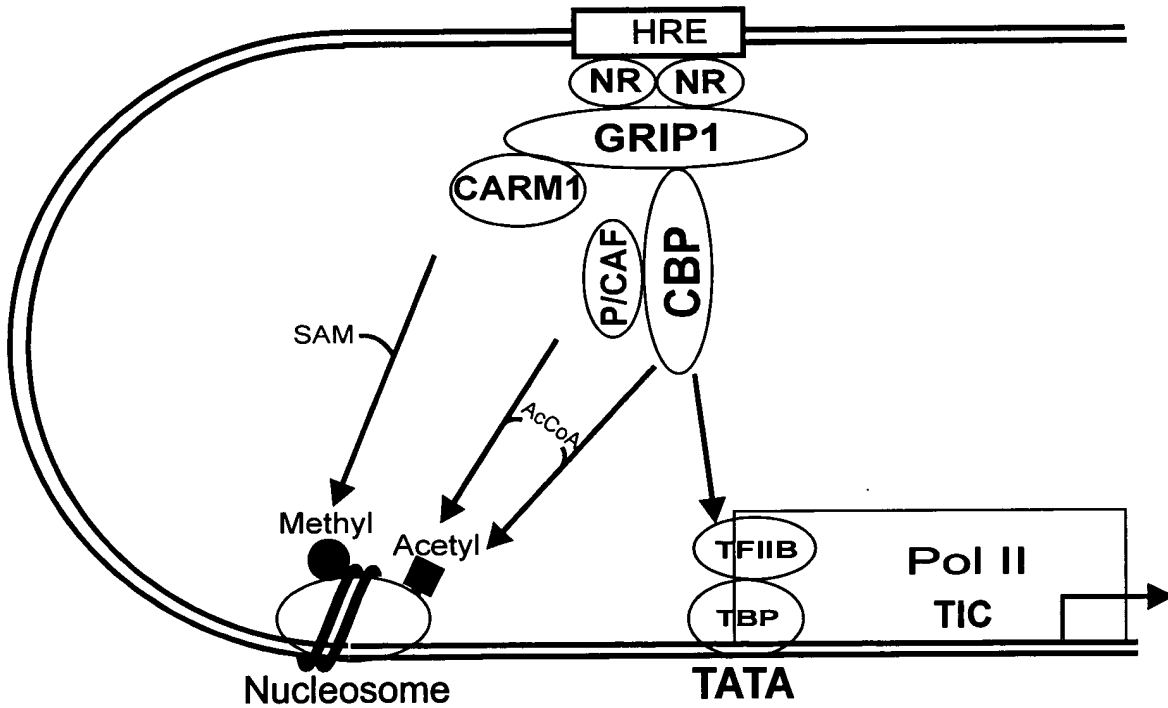


FIGURE 7

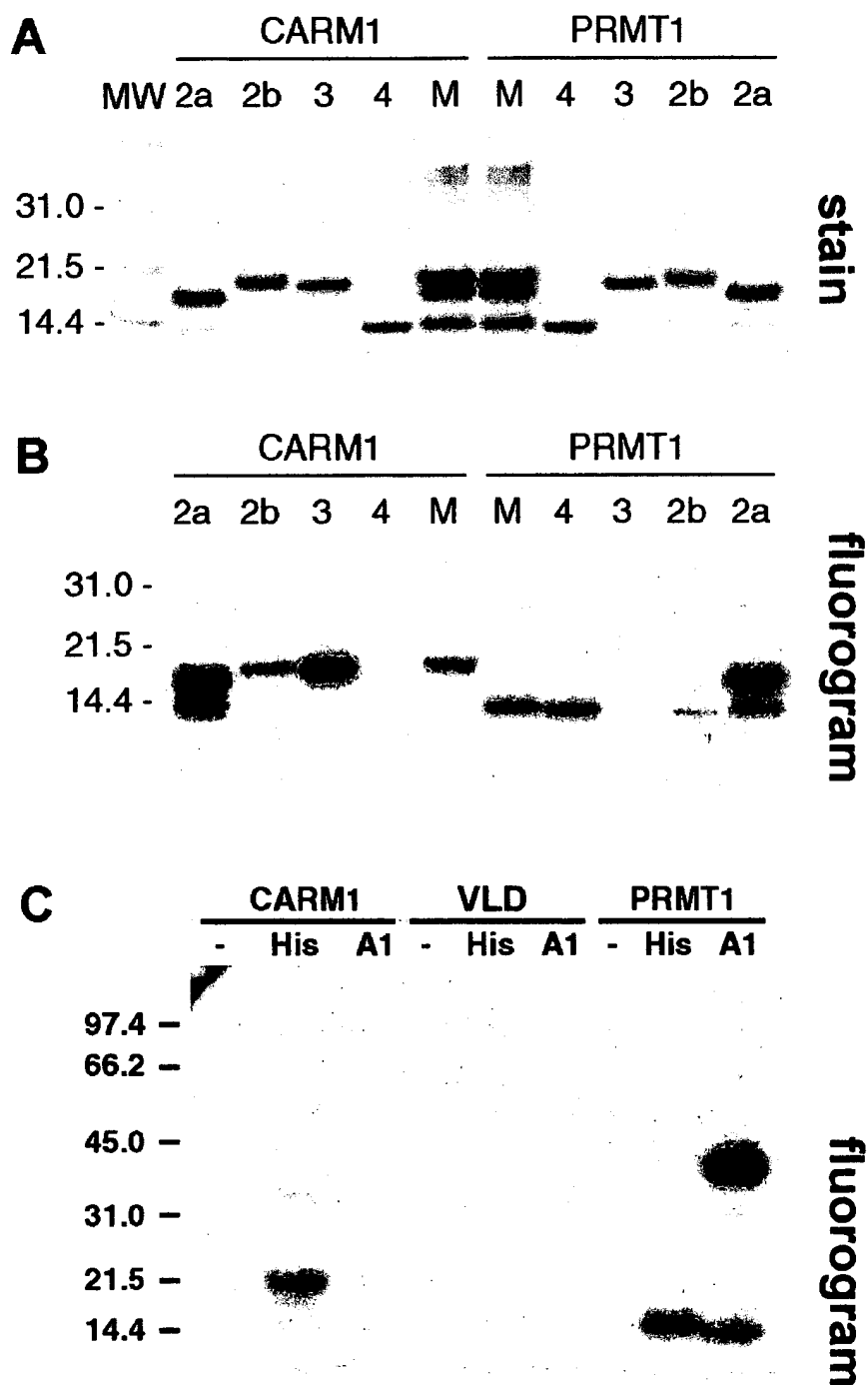
**Model: a Role for Protein Methylation
in Transcriptional Regulation**



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FIGURE 8

Protein Methyltransferase Activity



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FIGURE 9

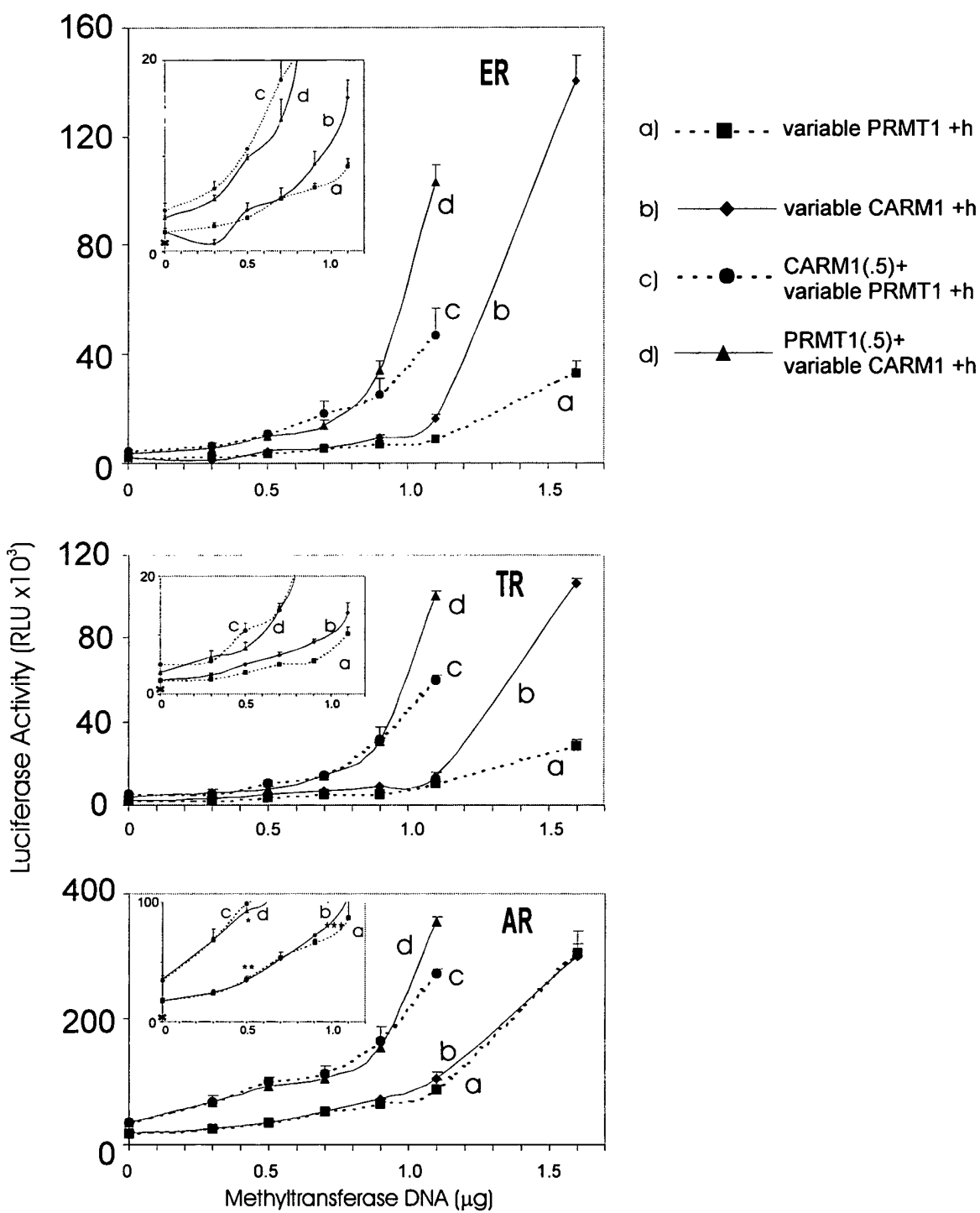
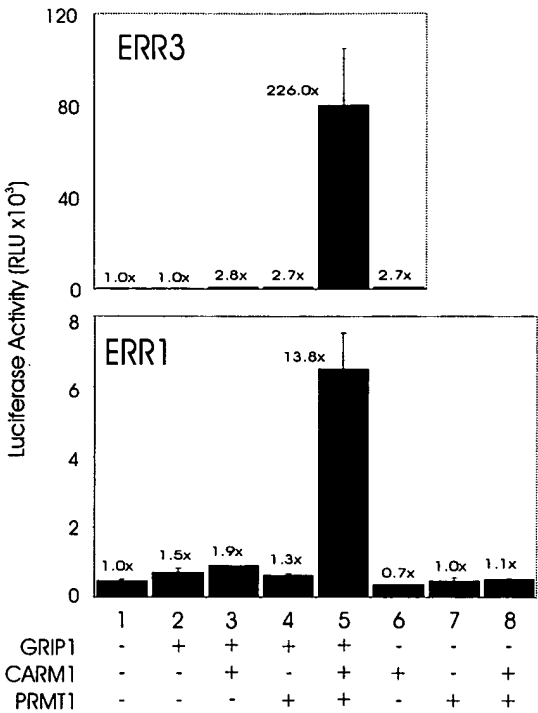


FIGURE 10

A



B

Synergy among three coactivators with different levels of ER

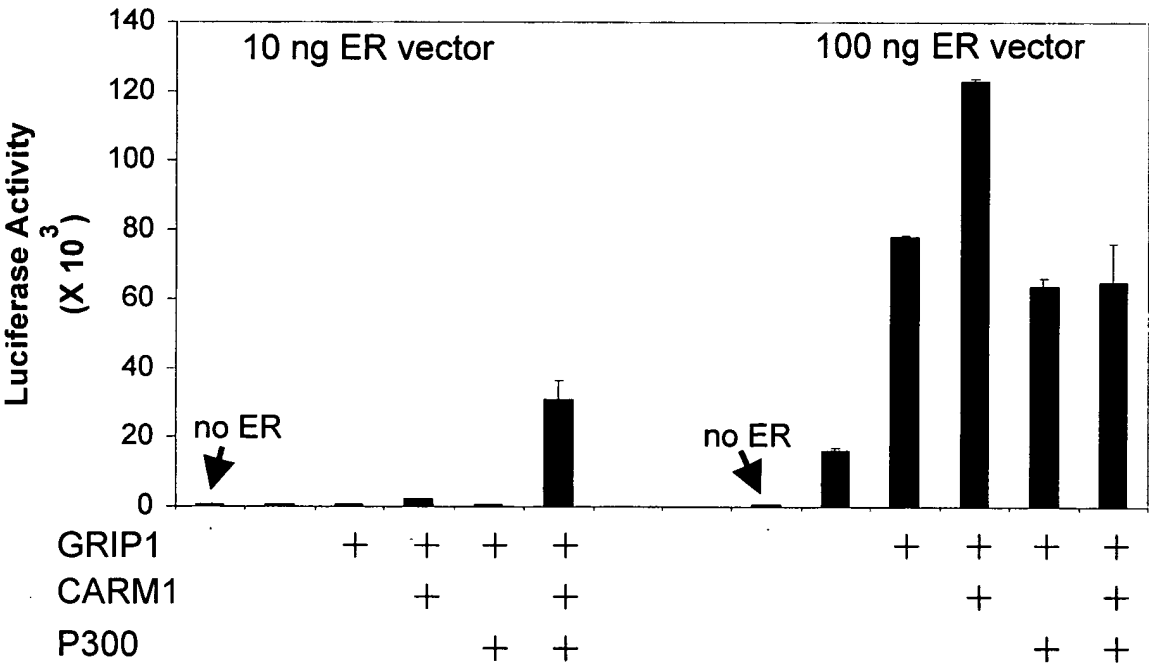
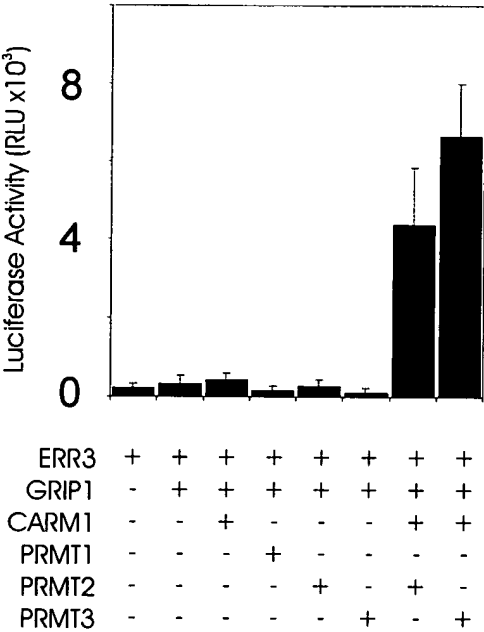


FIGURE 11



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